

Employment Posting ID: PTL-R-6650-210528E1

Senior Electrical Engineer_High Voltage Technologies_Powertech

Positions Available: 1

Status: Full-time (37.5 hrs/wk) Permanent

Job Location: Lower Mainland

Powertech Labs Inc, BC Hydro's subsidiary that specializes in energy research, consulting, testing, and systems integration, has been serving power utilities, oil and gas companies, automotive, and electrical utility equipment manufacturers since 1989. We operate as a separate, unregulated, for profit, commercial company.

In addition to providing innovative R&D, consulting and testing services to BC Hydro, Powertech provides the majority of its services to a large and diverse array of clients across North America, and around the world.

Powertech is located on an 11-acre campus in Surrey, British Columbia and has 200+ employees. Our reach and reputation are global, and we are recognized as a leader in technology, testing, and power systems software. Our location places us close to BC Hydro, 25 kilometers from the US border, and at a gateway between Asian and North American markets. Finally, we are located in one of the most desirable locations on the globe, with all the natural beauty of British Columbia on our doorstep. We call this home.

Powertech's brand and reputation command a dominant position in the power industry. To better serve our clients, we group our services under six market-orientated sectors: Generation, Transmission and Distribution, Substations, Power Systems, Grid Modernization and Advanced Transportation. Powertech's competitive advantage is enhanced through close collaboration between all sectors. The company's staff consists of professional engineers, scientists, technologists and technicians from a wide range of disciplines. These highly skilled individuals have access to 21 well-equipped, specialized laboratories. Together, the resources allow us to offer a range of forward-looking technology services to help clients advance technology, solve complex problems, and maximize asset performance.

Finally, we are customer-focused: To ensure our customers have high confidence in our services, we attract the best resources, are highly responsive and constantly strive to improve the quality and value of our services.

JOB DESCRIPTION

Duties:

As a Senior Electrical Engineer reporting to the T&D Electrical Manager, the selected candidate will be expected to lead tests in the High Voltage Laboratory, perform failure analyses in the Lab and in the field, provide business direction to leadership and mentor junior team members. In this role, High Voltage testing is critical and the Sr. Engineer is

expected to bring solid work experience with high voltage test equipment and provide technical leadership to the team.

Responsibilities include establishing an understanding of the global industry trends, developing a long-range strategy, and operationalizing this plan to ensure continued customer engagement and support, growth and day-to-day operational excellence.

This role requires constant teamwork with corporate support functions and other engineers and technologists across Powertech Labs.

The selected candidate will engage both OEM and utility customers from around the globe, identify and develop new service offerings to meet emerging and market needs and collaborate with market participants to advance technology and the associated industry standards. With a relentless focus on quality, the incumbent is expected to pursue policies and activities that constantly raise the quality accreditation and performance of the sector. It is an asset if the candidate has a demonstrated history of participating in national and international forums on relevant technical areas. Authoring and presenting technical publications is seen as important to maintaining and growing this sectors profile.

Technical

- Lead and execute high voltage laboratory and field tests according to client specifications, international standards and laboratory procedures.
- Perform failure analyses of T&D equipment in the laboratory and in the field.
- Perform quality assurance field inspections of new and existing installations.
- Engage effectively with clients to ensure the highest level of customer service is achieved.
- Introduce new test methods and services to Powertech's portfolio.
- Develop an industry-level expert role in developing T&D standards, practices and procedures.
- Actively grow the sector's ISO/IEC17025 accreditation and aligning with the company wide ISO 9001 and ISO 14001 accreditation.
- Represent the T&D Sector around the globe during trade shows, standards committee meetings and conferences; this position may require both local and international travel.
- Develop skills to act as a subject matter expert for high voltage testing and equipment.

Teamwork

- Foster relationships across Powertech to utilize all of the company's resources for our clients.
- Review and align with the broader corporate objectives such as safety, quality and environment management.
- Work closely with BC Hydro as a key customer; further and more broadly, having a demonstrated ability to work with both utilities and OEM in identifying and providing R&D, consulting and testing services.

Leadership

- Provide input and recommendations in the budget, work planning and resource allocation processes for the sector.
- Exercise a high degree of independent judgment to solve highly complex problems that have an impact across sectors and include customers, technology, financial planning and staffing.

Qualifications:

- Electrical engineering degree from a recognized University; post grad degree in a relevant discipline would be an asset.
- Minimum Eight years of experience in one or more of the following broad fields: high-voltage laboratory testing (e.g. distribution or transmission voltage class), high voltage equipment failure analysis, high-voltage field testing and commissioning, T&D operations and maintenance practices.
- Registration or ability to immediately register as a professional engineer with the Engineers and Geoscientists of BC (i.e., non-British Columbia registrations are acceptable as long as there is an ability to immediately transfer the accreditation).

ADDITIONAL INFORMATION

Performance Competencies

- Demonstrated rigor in modeling awareness and behaviours for working safely in laboratories and the field.
- Strong experience in writing and editing test reports.
- First-hand knowledge of the high voltage OEM market participants is a desirable asset.
- Demonstrated ability to collaborate, conceive, and lead projects.
- Demonstrated ability to manage the successful implementation and delivery of services and products to clients.
- Demonstrated commitment to quality including experience with ISO 9001, ISO 14001 and ISO 17025.
- Entrepreneurial and a proven track record in matching market information with an evolving service offering.
- Demonstrated ability to manage and execute a portfolio of projects covering all technical, resource and financial aspects.
- Excellent verbal, written and interpersonal communications skills including the ability to build successful relationships, make presentations to technical and non-technical audiences and liaise with peers in industry.
- Excellent decision making and problem solving skills; the position requires prudent technical and business risk-taking.
- Impart engineering knowledge and encourage the professional development of engineers.

Candidates with lesser qualifications may be considered for a lower level role. Location: Surrey B.C. Job Status: Full-Time Regular

Please be advised that this role has been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment. This role is concurrently advertised in our internal and external job boards.

We're always looking for exceptional people to bring new ideas, fresh thinking and the motivation to help shape the electricity system in B.C. It's an exciting time to be a part of our team as we invest in our system and prepare to meet the challenges of tomorrow.

Our values guide our work. Want to join us?

We are safe.

We are here for our customers.

We are one team.

We act with integrity.

We respect our province.

We are forward thinking.

BC Hydro is an equal opportunity employer.

HOW TO APPLY

ALL CANDIDATES ARE REQUIRED TO ATTACH A COPY OF THEIR COVER LETTER, RESUME and ACADEMIC TRANSCRIPTS.

Note that applicants are required to submit/upload a copy of their College transcripts and Diploma as proof of post secondary graduation. If applicable, a copy of your work visa is also required.

INCOMPLETE OR LATE APPLICATIONS CANNOT BE PROCESSED. This will ensure we have all the necessary information to assess your application without any delays.

Click on the link in order to complete the steps to apply for this job.

https://www.bchydro.com/toolbar/careers/current_opp.html